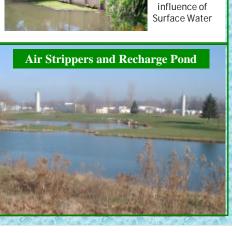




1988 – Well Field Protection Ordinance adopted
 1990 - NPDES Permit Application Regulations
 1993 - City of Dayton application submitted
 1997 - Municipal Separate Storm Sewer (MS4)
 NPDES Permit issued

1997 - Dayton Storm Water Ordinance adopted 2000 – Riverscape attraction downtown

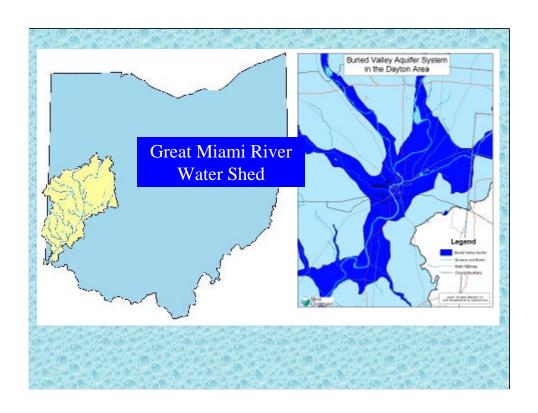


Ground water

under the



Ms. Galbrath briefly outlined the history of Dayton's water quality and public water supply. Many wells are located near highly developed areas. For example, recharge ponds are located within a couple of miles of drinking water wells.



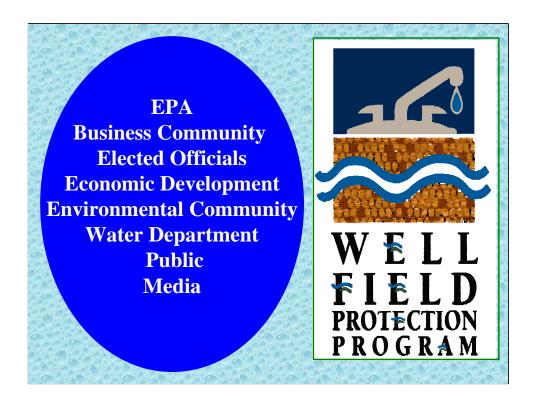




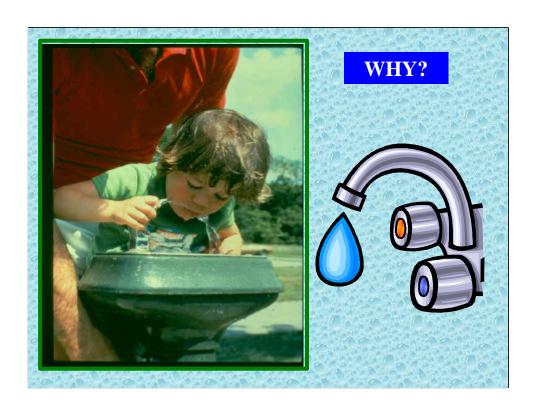
- •Prior to 1987 businesses located in close proximity to production wells and recharge ponds
- •Prior to fire, groups operated fairly independent of one another



- •Fire called attention to our groundwater / aquifer
- •Media played a big part in the learning process
- •The Sherwin-Williams Fire in 1987 called attention to the sensitivity of Dayton's groundwater. Twelve billion dollars was awarded for cleanup.



- •The independent groups went through a learning process and recognition that they must work together to protect the publics drinking water
- •The result was, and continues to be, the Well Field Protection Program





Partners



City: Elected Officials Water Department Economic Development Zoning

Chamber of Commerce

Other Jurisdictions:
Huber Heights
Vandalia
Riverside
Harrison Township
WPAFB

Mont.Co.Health District

- How were we able to reach final consensus on what the WFPP would entail
- Happened in two phases
 - 1. Dayton partnerships formed with Elected officials, Water Dept, Economic Dev., Chamber of Commerce
 - 2. Next: other jurisdictions were brought in to the partnership Very big leap in process for this to take place
- Must have all interested and affected parties brought into process from the very beginning

How Did We Get To Agreement In Dayton

Initial Plan 1987

- Businesses given "license" to operate in WFPA
- Annual Inspections of chemical inventory

with this plan

- If fail inspection, operating license would be pulled
- Business could no longer operate in WFPA
 Economic Development and Businesses were not on board

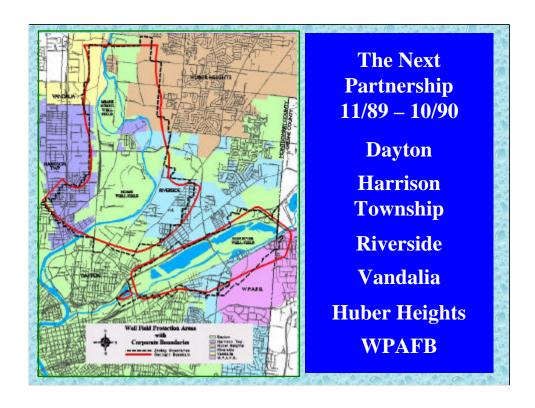
Final Plan 1988

- Overlay Zoning
- Regulate chemicals that could contaminate groundwater
- Grandfathered with current chemical inventory, can never be exceeded
- Initiated Well Field Protection Fund to give financial aid for risk reduction projects
 Despite Ec. Dev. & Business reservations, WFPA continues to have a 90%

occupancy rate

Partners / Neighbors		
Jurisdiction	Concerns	Outcome
Harrison Township Huber Heights Wright Patterson Air Force Base	RESENTMENT: Dayton had tried to annex the Twp. Farming and product sales: Zoning can't regulate farming Ohio Dept. of Agriculture Who has jurisdiction?	Farmers report annual usage and store only one year's worth of chemicals MOU: Memorandum of Understanding. First between local jurisdiction and Dept. of Defense and for drinking water protection
Cities of Vandalia and Riverside	Who controls the enforcement of the ordinances and funds?	County Health District City: Zoning & Env.Mgmt. City Wide & County Corp

Partnerships were formed with EPA, the business community, elected officials, economic development, environmental community, water department, public and the media. Once the partnerships were formed, meetings were held to design a plan to address source water protection.





Partners had to address jurisdictional concerns and keep the general public informed. The partnership's goal was to protect source water by incorporating the right mix of economic development.



Businesses were given incentives to not build near drinking water wells. Risk reduction funding was provided to businesses who actively removed chemicals from their sites and upgraded or removed their underground storage tanks.

RISK REDUCTION FUNDING



RISK POINT BUY DOWNS

- Businesses permanently remove
 97% or more of chemicals
- 16 million lb. of chemical removed

0% INTEREST LOANS AND GRANTS TO BUSINESSES

 For tank removals or upgrades, groundwater remediation, and hazardous waste storage

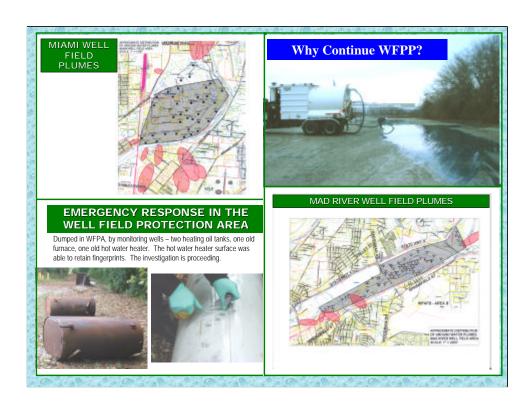


GRANTS TO GOVERNMENTS

- 50% of new storm sewer costs
- Riverside to relocate 1,200,000 lbs of salt to outside the WFPA



Educational activities such as creating bulletins and holding meetings were key to the success of the partnership.





Partnerships needed for development

- •Dayton: Water Dept., DIV. Environmental Mngt.(DEM), Co. Health Dept., Zoning, Economic Dev., City Wide, County Corp, Environmental Advisory Board (EAB)
- •Other jurisdictions: Huber Heights, WPAFB, Harrison Twp., Vandalia, Riverside

Who Implements the Plan?

- •Regulatory: DEM & Zoning in the city. Used WFPF to set up contract with County Health Dept. to do same in other jurisdictions.
- •Non-Regulatory: Use WFPF for contracts with Economic Development & City Wide to assist businesses with WFPP compliance and incentive funding for risk reduction projects. Dayton Environmental Advisory Board (EAB) was appointed by City Commission to provide advice on environmental issues & assist WFPP.

Lessons Learned

Maintaining Partnerships

- •Multijurisdictional meetings
 - Workshops
 - •PROGRESS News
- •Children's Water Festival
- •Well Field Fund Board
 - •EAB
- •Ground Water Guardian awards
 - •P2 Notebooks
 - •Storm Water Program
 - •Visibility of water resources
 - •Relationships with regulatory agencies
- •Source Water Assessment Program



Future challenges facing Daytona's source water assessment program are to determine upstream areas, regulated areas and requirements for analytical testing; work with new partners who do not use Daytona's water; and continue to provide economic incentives and funding.

